

Amendments to the Specification begin on page 3 of this paper.

Amendments to the Abstract begin on page 4 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 5 of this paper.

Amendments to the Drawings begin on page 9 of this paper and include one new drawing to be added to the application.

Remarks begin on page 10 of this paper.

An **Appendix** including the new drawing is attached following page 11 of this paper.

A. Amendments to the Specification

Please replace the first paragraph beginning on page 1, immediately following the Title, with the following amended paragraph:

This application is a continuation of copending U.S. Application No. 09/973,529, filed October 9, 2001, which is a continuation-in-part of U.S. Application No. 09/686,735 filed October 10, 2000, now abandoned, both of which are hereby incorporated herein by reference in their entireties.

Please add the following new paragraph at page 6, immediately after the paragraph that begins, "Figure 4 shows measurement data"

Figure 5 shows a schematic diagram of an illustrative method in accordance with the principles of the invention.

Please add the following new paragraph at page 20, immediately before the paragraph that begins, "It should be understood that the preceding is merely"

Figure 5 shows illustrative process 500 for estimating a formation property. The method of the invention may be practiced according to the process of FIG. 5, using the above-described principles, apparatus, or combinations thereof. Step 502 of process 500 includes generating a source signal. Step 504 includes detecting at least one receiver signal. Step 506 includes computing a frequency dependent characteristic of the at least one receiver signal. Step 508 includes using the frequency dependent characteristic to estimate the formation property.